BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Nagadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 68

Item Name: Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fne aggregates at 0.46 cum,Coarse and fne aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fxed side form work (steel channel, laying and fxing of 125 micron thick polythene flm, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and fnished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filer, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour hire charges of machineries all lead & lift charges etc., complete as per specifcations

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Sri Ram Temple Road Front LCR School									
0.00	30.00	1	30.00	3.50	4.40	3.95	0.15	17.78	
30.00	60.00	1	30.00	4.40	4.60	4.50	0.15	20.25	
60.00	90.00	1	30.00	4.60	4.72	4.66	0.15	20.97	
90.00	120.00	1	30.00	4.72	4.77	4.75	0.15	21.35	
120.00	150.00	1	30.00	4.77	4.90	4.84	0.15	21.76	
150.00	180.00	1	30.00	4.90	4.80	4.85	0.15	21.83	
180.00	191.30	1	11.30	4.80	4.90	4.85	0.15	8.22	
		1	3.50	4.30	4.30	4.30	0.15	2.26	
Main Rd Upto Swd									
0.00	30.00	1	30.00	4.60	3.20	3.90	0.15	17.55	
30.00	36.00	1	6.00	3.20	3.00	3.10	0.15	2.79	
LCR School to Kamal Nilaya									
0.00	30.00	1	30.00	2.80	2.70	2.75	0.15	12.38	
30.00	60.00	1	30.00	2.70	2.80	2.75	0.15	12.38	
60.00	67.00	1	7.00	2.80	2.80	2.80	0.15	2.94	
		1	18.85				0.15	2.83	
		1	13.80				0.15	2.07	
Chamundi Temple Rd									
0.00	30.00	1	30.00	3.60	3.00	3.30	0.15	14.85	
30.00	41.00	1	11.00	3.00	2.60	2.80	0.15	4.62	
0.00	25.00	1	25.00	3.20	3.20	3.20	0.15	12.00	
Cr Rd									

ckd & fc

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CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
0.00	19.70	ckd & fd	19.70	3.00	3.00	3.00	0.15	8.87	
							Total Qty Work Done	227.67	
							Qty Payable in this bill	227.67	Cum
									Cum

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative
Authorised Signatory

Assistant Engineer 01/09/2021

Asst. Executive Engineer 01/09/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunandagouda, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Kariyana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 69

Item name: Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.. KPWD S.R 2018-19 As Per Direction of Engineer Incharge

CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Sri Ram Temple Road Front LCR School									
0.00	30.00	1	30.00	3.50	4.40	3.95		118.50	
30.00	60.00	1	30.00	4.40	4.60	4.50		135.00	
60.00	90.00	1	30.00	4.60	4.72	4.66		139.80	
90.00	120.00	1	30.00	4.72	4.77	4.75		142.35	
120.00	150.00	1	30.00	4.77	4.90	4.84		145.05	
150.00	180.00	1	30.00	4.90	4.80	4.85		145.50	
180.00	191.30	1	11.30	4.80	4.90	4.85		54.81	
		1	3.50	4.30	4.30	4.30		15.05	
Main Rd Upto Swd									
0.00	30.00	1	30.00	4.60	3.20	3.90		117.00	
30.00	36.00	1	6.00	3.20	3.00	3.10		18.60	
LCR School to Kamal Nilaya									
0.00	30.00	1	30.00	2.80	2.70	2.75		82.50	
30.00	60.00	1	30.00	2.70	2.80	2.75		82.50	
60.00	67.00	1	7.00	2.80	2.80	2.80		19.60	
		1	18.85					18.85	
		1	13.80					13.80	
Chamundi Temple Rd									
0.00	30.00	1	30.00	3.60	3.00	3.30		99.00	
30.00	41.00	1	11.00	3.00	2.60	2.80		30.80	
0.00	25.00	1	25.00	3.20	3.20	3.20		80.00	
Cr Rd									

GKd & fc

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CHAINAGE		NO	L	B	BI	A*B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
0.00	19.70	1	19.70	3.00	3.00	3.00		59.10	
							Total Qty Work Done	1517.81	
							Qty Payable in this bill	1517.81	Sqm
									Sqm

ckd & tc

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Engineer 01/09/2024

Asst.Executive Engineer 01/09/2024

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th Colony and Surrounding areas of Slums in R R Nagar Constituency under A.C.F. 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

82 2019-20

Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3As Per Direction of Engineer Incharge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Mohan Kumar Nagar									
Main Rd Dhanalakshmi Bakery									
0.00	30.00	1	30.00						
30.00	60.00	1	30.00			1.00	0.90	27.00	
60.00	90.00	1	30.00			1.00	0.90	27.00	
90.00	120.00	1	30.00			1.00	0.90	27.00	
120.00	150.00	1	30.00			1.00	0.90	27.00	
150.00	180.00	1	30.00			1.00	0.90	27.00	
180.00	210.00	1	30.00			1.00	0.90	27.00	
210.00	220.00	1	10.00			1.00	0.90	27.00	
Masidh Road								9.00	
0.00	30.00	1	30.00						
30.00	60.00	1	30.00			1.00	0.90	27.00	
60.00	90.00	1	30.00			1.00	0.90	27.00	
90.00	120.00	1	30.00			1.00	0.90	27.00	
120.00	150.00	1	30.00			1.00	0.90	27.00	
150.00	180.00	1	30.00			1.00	0.90	27.00	
180.00	210.00	1	30.00			1.00	0.90	27.00	
210.00	232.00	1	22.00			1.00	0.90	27.00	
SMR Engineering Works								19.80	
0.00	30.00	1	30.00						
30.00	60.00	1	30.00			1.00	0.90	27.00	
60.00	65.00	1	5.00			1.00	0.90	27.00	
CR Rd 1						1.00	0.90	4.50	
0.00	30.00	1	30.00						
30.00	60.00	1	30.00			1.00	0.90	27.00	
60.00	90.00	1	30.00			1.00	0.90	27.00	
90.00	120.00	1	30.00			1.00	0.90	27.00	
120.00	150.00	1	30.00			1.00	0.90	27.00	
CR Rd 2						1.00	0.90	27.00	

ckd & tc

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0.00	17.80	1	17.80								
1st Cross Rd Akkippa Garden											
0.00	30.00	1	30.00								
30.00	50.00	1	20.00								
Varsha Store Opp											
0.00	30.00	1	30.00						1.00	0.90	15.62
30.00	45.00	1	15.00						1.00	0.90	27.00	
6th Main Rd									1.00	0.90	18.00	
0.00	30.00	1	30.00						1.00	0.90	27.00	
30.00	60.00	1	30.00								13.50	
60.00	81.80	1	21.80						1.00	0.90	27.00	
Main Line									1.00	0.90	27.00	
0.00302	30.00	1	30.00						1.00	0.90	19.62	
0.00	60.00	1	30.00									
30.00	90.00	1	30.00						1.20	0.90	32.40	
60.00	120.00	1	30.00						1.20	0.90	32.40	
90.00	150.00	1	30.00						1.20	0.90	32.40	
120.00	180.00	1	30.00						1.20	0.90	32.40	
150.00	210.00	1	30.00						1.20	0.90	32.40	
180.00	240.00	1	30.00						1.20	0.90	32.40	
210.00	270.00	1	30.00						1.20	0.90	32.40	
240.00	300.00	1	30.00						1.20	0.90	32.40	
270.00	IC Chamber	180	1.20						1.20	0.90	32.40	
	Man Hole								1.20	0.90	32.40	
3.0x3.14x2.18x2.18x1.3 0 / 4		80	4.85								233.28	
											388.00	
Deduction												
For Manholes		-80										
IC Chamber		-180				2.18	1.50	0.90			-235.44	
						0.60	1.00	0.90			-97.20	
									Total Qty Work Done		**1388.08**	**Cum**
									Qty Payable in this bill		**1388.08**	**Cum**

Consultant Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Authorised Signatory

Assistant Engineer 20/05/2024

Asst.Executive Engineer 20/05/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi olony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, eenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency nder PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

tem No: **53**

Item Name: Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.-do- with 225mm outer dia KPWD S.R 2018-19 As Per Direction of Engineer Incharge

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Mohan Kumar Nagar									
	Main Rd Dhanalakshmi Bakery									
	0.00	30.00	1	30.00					30.00	
	30.00	60.00	1	30.00					30.00	
	60.00	90.00	1	30.00					30.00	
	90.00	120.00	1	30.00					30.00	
	120.00	150.00	1	30.00					30.00	
	150.00	180.00	1	30.00					30.00	
	180.00	210.00	1	30.00					30.00	
	210.00	220.00	1	10.00					10.00	
	Masidh Road									
	0.00	30.00	1	30.00					30.00	
	30.00	60.00	1	30.00					30.00	
	60.00	90.00	1	30.00					30.00	
	90.00	120.00	1	30.00					30.00	
	120.00	150.00	1	30.00					30.00	
	150.00	180.00	1	30.00					30.00	
	180.00	210.00	1	30.00					30.00	
	210.00	232.00	1	22.00					22.00	
	SMR Engineering Works									
	0.00	30.00	1	30.00					30.00	
	30.00	60.00	1	30.00					30.00	
	60.00	65.00	1	5.00					5.00	
	CR Rd 1									
	0.00	30.00	1	30.00					30.00	
	30.00	60.00	1	30.00					30.00	

Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike

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	60.00	90.00	1	30.00					30.00		
	90.00	120.00	1	30.00					30.00		
	120.00	150.00	1	30.00					30.00		
	CR Rd 2										
	0.00	17.80	1	17.80					17.80		
	1st Cross Rd Akkippa Garden										
	0.00	30.00	1	30.00					30.00		
	30.00	50.00	1	20.00					20.00		
	Harsha Store Opp										
	0.00	30.00	1	30.00					30.00		
	30.00	45.00	1	15.00					15.00		
	8th Main Rd										
	0.00	30.00	1	30.00					30.00		
	30.00	60.00	1	30.00					30.00		
	60.00	81.80	1	21.80					21.80		
	Deduction										
	IC Chamber		-180						-180.00		
									Total Qty Work Done	681.60	Rmt
									Qty Payable in this bill	679.32	Rmt

Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 074.

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Authorised Signatory

Assistant Engineer 22/05/2024

Asst.Executive Engineer 22/05/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Channadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Malahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th Block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 54

Item Name: Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per specifcations. MORTH Specifcation No. 408.

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Mohan Kumar Nagar									
	Main Rd Dhanalakshmi Bakery									
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00			0.50	0.15	2.25	
	60.00	90.00	1	30.00			0.50	0.15	2.25	
	90.00	120.00	1	30.00			0.50	0.15	2.25	
	120.00	150.00	1	30.00			0.50	0.15	2.25	
	150.00	180.00	1	30.00			0.50	0.15	2.25	
	180.00	210.00	1	30.00			0.50	0.15	2.25	
	210.00	220.00	1	10.00			0.50	0.15	0.75	
	Masidh Road									
	0.00	30.00	1	30.00			0.50	0.15	2.25	
	30.00	60.00	1	30.00			0.50	0.15	2.25	
	60.00	90.00	1	30.00			0.50	0.15	2.25	
	90.00	120.00	1	30.00			0.50	0.15	2.25	
	120.00	150.00	1	30.00			0.50	0.15	2.25	
	150.00	180.00	1	30.00			0.50	0.15	2.25	
	180.00	210.00	1	30.00			0.50	0.15	2.25	
	210.00	232.00	1	22.00			0.50	0.15	1.65	
	SMR Engineering Works									
	0.00	30.00	1	30.00			0.50	0.15	2.25	
	30.00	60.00	1	30.00			0.50	0.15	2.25	
	60.00	65.00	1	5.00			0.50	0.15	0.38	
	CR Rd 1									
	0.00	30.00	1	30.00			0.50	0.15	2.25	
	30.00	60.00	1	30.00			0.50	0.15	2.25	
	60.00	90.00	1	30.00			0.50	0.15	2.25	

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90.00	120.00		1	30.00			0.50	0.15	2.25		
120.00	150.00		1	30.00			0.50	0.15	2.25		
CR Rd 2											
0.00	17.80		1	17.80			0.50	0.15	1.34		
1st Cross Rd Akkipp					**n Garden**						
0.00	30.00		1	30.00			0.50	0.15	2.25		
30.00	50.00		1	20.00			0.50	0.15	1.50		
Harsha Store Opp											
0.00	30.00		1	30.00			0.50	0.15	2.25		
30.00	45.00		1	15.00			0.50	0.15	1.13		
8th Main Rd											
0.00	30.00		1	30.00			0.50	0.15	2.25		
30.00	60.00		1	30.00			0.50	0.15	2.25		
60.00	81.80		1	21.80			0.50	0.15	1.64		
Main Line											
W0302											
0.00	30.00		1	30.00			0.50	0.15	2.25		
30.00	60.00		1	30.00			0.50	0.15	2.25		
60.00	90.00		1	30.00			0.50	0.15	2.25		
90.00	120.00		1	30.00			0.50	0.15	2.25		
120.00	150.00		1	30.00			0.50	0.15	2.25		
150.00	180.00		1	30.00			0.50	0.15	2.25		
180.00	210.00		1	30.00			0.50	0.15	2.25		
210.00	240.00		1	30.00			0.50	0.15	2.25		
240.00	270.00		1	30.00			0.50	0.15	2.25		
270.00	300.00		1	30.00			0.50	0.15	2.25		
Deduction											
For Manholes			-80	2.18			0.50	0.15	-13.08		
									Total Qty Work Done	**74.04**	**Cum**
									Qty Payable in this bill	**66.44**	**Cum**

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultant Representative

Authorised Signatory

Assistant Engineer 24/05/2024

Asst.Executive Engineer 24/05/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Veenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 55

Item Name: Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of materials, labour, HOM complete as per specifications, curing complete as per specifications. Specifications. As Per Direction of Engineer Incharge

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Main Line									
	W0302									
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00					30.00	
	60.00	90.00	1	30.00					30.00	
	90.00	120.00	1	30.00					30.00	
	120.00	150.00	1	30.00					30.00	
	150.00	180.00	1	30.00					30.00	
	180.00	210.00	1	30.00					30.00	
	210.00	240.00	1	30.00					30.00	
	240.00	270.00	1	30.00					30.00	
	270.00	300.00	1	30.00					30.00	
	Deduction									
	For Manholes		-80	2.18					-174.40	
								Total Qty Work Done	125.60	Rmt
								Qty Payable in this bill	125.60	Rmt

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Contractor Representative

Consultant Representative

Authorised Signatory

Assistant Engineer 24/05/2021

Asst.Executive Engineer 24/05/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works at Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Veenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 56

Item Name: Constructing brick masonry circular type manhole 0.91 m internal dia at bottom, 1.67 m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS :12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications.

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Mohan Kumar Nagar								
		ckd & fc							
		80						80.00	
							Total Qty Work Done	80.00	No's
							Qty Payable in this bill	80.00	No's

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

~~Authorised~~ Signatory

Assistant Engineer 23/05/2021

Asst.Executive Engineer 24/05/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Sreenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 57

Item Name: Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS. – do – 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mAs Per Direction of Engineer Incharge

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Mohan Kumar Nagar								
		180						180.00	
								Total Qty Work Done	180.00 No's
								Qty Payable in this bill	180.00 No's

ckd & IC

Checked
Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike

N. M Coorg
Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultant Representative
Authorised Signatory

Assistant Engineer 30/05/2021

Asst.Executive Engineer 30/05/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Veenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No:	58	021612

Item Name: Making connection of drain or sewer line of size 230 to 300 mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete M 15 with 20mm and downsize granite metal, cement plastered on both sides of mix 1:3, finished with a floating coat of neat cement, and making necessary channels for the drain, including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS As Per Direction of Engineer Incharge

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Mohan Kumar Nagar								
		120							
								120.00	
							Total Qty Work Done	120.00	No's
							Qty Payable in this bill	120.00	No's

ckd & fc

N.M Coorg
Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultant Representative
Authorised Signatory

Assistant Engineer 07/06/2021

Asst.Executive Engineer 07/06/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Sreenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No:	59	02/612/
Item Name:	Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6 P.No73I.NO.11.44	

SLNO	CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Land Mark									
	Mohan Kumar Nagar		80							
									80.00	
								Total Qty Work Done	80.00	Each
								Qty Payable in this bill	80.00	Each

ckd & 80

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Authorised Signatory

Assistant Engineer 02/06/2024

Asst.Executive Engineer 02/06/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Veenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 60

Item Name: Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. - 110mm dia

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Mohan Kumar Nagar								
		250	3.00						
								750.00	
							Total Qty Work Done	750.00	Mtr
							Qty Payable in this bill	750.00	Mtr

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultant Representative
Authorised Signatory

Assistant Engineer 03/06/2024

Asst.Executive Engineer 03/06/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Veenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: 61

Item Name: KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifcations.As Per Direction of Engineer Incharge

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Mohan Kumar Nagar									
	Main Rd Dhanalakshmi Bakery									
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00			1.00	0.45	13.50	
	60.00	90.00	1	30.00			1.00	0.45	13.50	
	90.00	120.00	1	30.00			1.00	0.45	13.50	
	120.00	150.00	1	30.00			1.00	0.45	13.50	
	150.00	180.00	1	30.00			1.00	0.45	13.50	
	180.00	210.00	1	30.00			1.00	0.45	13.50	
	210.00	220.00	1	10.00			1.00	0.45	13.50	
	Masidh Road								4.50	
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00			1.00	0.45	13.50	
	60.00	90.00	1	30.00			1.00	0.45	13.50	
	90.00	120.00	1	30.00			1.00	0.45	13.50	
	120.00	150.00	1	30.00			1.00	0.45	13.50	
	150.00	180.00	1	30.00			1.00	0.45	13.50	
	180.00	210.00	1	30.00			1.00	0.45	13.50	
	210.00	232.00	1	22.00			1.00	0.45	13.50	
	SMR Engineering Works						1.00	0.45	9.90	
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00			1.00	0.45	13.50	
	60.00	65.00	1	5.00			1.00	0.45	13.50	
	CR Rd 1						1.00	0.45	2.25	
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00			1.00	0.45	13.50	
							1.00	0.45	13.50	

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60.00	90.00	1	30.00			1.00	0.45	13.50			
90.00	120.00	1	30.00			1.00	0.45	13.50			
120.00	150.00	1	30.00			1.00	0.45	13.50			
CR Rd 2											
0.00	17.80	1	17.80			1.00	0.45	8.01			
1st Cross Rd Akkippa Garden											
0.00	30.00	1	30.00			1.00	0.45	13.50			
30.00	50.00	1	20.00			1.00	0.45	9.00			
Harsha Store Opp											
0.00	30.00	1	30.00			1.00	0.45	13.50			
30.00	45.00	1	15.00			1.00	0.45	6.75			
8th Main Rd											
0.00	30.00	1	30.00			1.00	0.45	13.50			
30.00	60.00	1	30.00			1.00	0.45	13.50			
60.00	81.80	1	21.80			1.00	0.45	9.81			
Main Line											
W0302											
0.00	30.00	1	30.00			1.20	0.45	16.20			
30.00	60.00	1	30.00			1.20	0.45	16.20			
60.00	90.00	1	30.00			1.20	0.45	16.20			
90.00	120.00	1	30.00			1.20	0.45	16.20			
120.00	150.00	1	30.00			1.20	0.45	16.20			
150.00	180.00	1	30.00			1.20	0.45	16.20			
180.00	210.00	1	30.00			1.20	0.45	16.20			
210.00	240.00	1	30.00			1.20	0.45	16.20			
240.00	270.00	1	30.00			1.20	0.45	16.20			
270.00	300.00	1	30.00			1.20	0.45	16.20			
IC Chamber		180	1.20			1.20	0.45	116.64			
Man Hole 80x3.14x2.18x2.18 x1.30 / 4		80	4.85					388.00			
Deduction											
For Manholes		-80				2.18	1.50	0.45	-117.72		

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IC Chamber ckd & fc		-180			0.60	1.00	0.45	-48.60	
							Total Qty Work Done	888.04	Cum
							Qty Payable in this bill	833.38	Cum

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Authorised Signatory

Assistant Engineer 09/06/2021

Asst.Executive Engineer 09/06/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Deenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: **62**

Item Name: Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifcations. MORTH -100/ Chapter 1 As Per Direction of Engineer Incharge

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Qty Vide From I.No 51							969.08	
	Qty Vide From I.No 52							1388.08	
	Dedect Qty Vide From I.No 61							-833.38	
						Total Qty Work Done		1523.78	Cum
						Qty Payable in this bill		1523.78	Cum

ckd & fc

282.37

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative
Authorised Signatory

Assistant Engineer 12/06/2021

Asst.Executive Engineer 12/06/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Dhanalakshmi Bakery, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Kenchanahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block K K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

2nd And Part Bill

Item No: **63** 16/6/21

Item Name: Providing, laying, spreading and compacting specified graded sand, gravel or any other course material 60% and crushed stone aggregates of granite / trap / basalt 40% in sub-base course including premixing the material at OMC in mechanical mixer (Pug mill), carriage of mixed material up to 1km, spreading in uniform layers with motor grader on a prepared base and compacting with power roller to achieve the desired density including all materials, labour, HOM of machinery, lighting, guarding, barricading and maintenance of diversion complete as per specifications. MORTH Chapter 4

SLNO	CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Land Mark									
	Mohan Kumar Nagar									
	Main Rd Dhanalakshmi Bakery									
	0.00	30.00	1	30.00			1.00	0.15	4.50	
	30.00	60.00	1	30.00			1.00	0.15	4.50	
	60.00	90.00	1	30.00			1.00	0.15	4.50	
	90.00	120.00	1	30.00			1.00	0.15	4.50	
	120.00	150.00	1	30.00			1.00	0.15	4.50	
	150.00	180.00	1	30.00			1.00	0.15	4.50	
	180.00	210.00	1	30.00			1.00	0.15	4.50	
	210.00	220.00	1	10.00			1.00	0.15	1.50	
	Masidh Road									
	0.00	30.00	1	30.00			1.00	0.15	4.50	
	30.00	60.00	1	30.00			1.00	0.15	4.50	
	60.00	90.00	1	30.00			1.00	0.15	4.50	
	90.00	120.00	1	30.00			1.00	0.15	4.50	
	120.00	150.00	1	30.00			1.00	0.15	4.50	
	150.00	180.00	1	30.00			1.00	0.15	4.50	
	180.00	210.00	1	30.00			1.00	0.15	4.50	
	210.00	232.00	1	22.00			1.00	0.15	3.30	
	SMR Engineering Works									
	0.00	30.00	1	30.00			1.00	0.15	4.50	
	30.00	60.00	1	30.00			1.00	0.15	4.50	
	60.00	65.00	1	5.00			1.00	0.15	0.75	
	CR Rd 1									
	0.00	30.00	1	30.00			1.00	0.15	4.50	
	30.00	60.00	1	30.00			1.00	0.15	4.50	
	60.00	90.00	1	30.00			1.00	0.15	4.50	
	90.00	120.00	1	30.00			1.00	0.15	4.50	
	120.00	150.00	1	30.00			1.00	0.15	4.50	

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CR Rd 2									
0.00	17.80	1	17.80						
1st Cross Rd Akkippa Garden									
0.00	30.00	1	30.00			1.00	0.15	2.67	
30.00	50.00	1	20.00						
Harsha Store Opp						1.00	0.15	4.50	
0.00	30.00	1	30.00			1.00	0.15	3.00	
30.00	45.00	1	15.00						
8th Main Rd						1.00	0.15	4.50	
0.00	30.00	1	30.00			1.00	0.15	2.25	
30.00	60.00	1	30.00						
60.00	81.80	1	21.80			1.00	0.15	4.50	
Main Line						1.00	0.15	4.50	
W0302						1.00	0.15	3.27	
0.00	30.00	1	30.00						
30.00	60.00	1	30.00			1.20	0.15	5.40	
60.00	90.00	1	30.00			1.20	0.15	5.40	
90.00	120.00	1	30.00			1.20	0.15	5.40	
120.00	150.00	1	30.00			1.20	0.15	5.40	
150.00	180.00	1	30.00			1.20	0.15	5.40	
180.00	210.00	1	30.00			1.20	0.15	5.40	
210.00	240.00	1	30.00			1.20	0.15	5.40	
240.00	270.00	1	30.00			1.20	0.15	5.40	
270.00	300.00	1	30.00			1.20	0.15	5.40	
					Total Qty Work Done			183.24	Cum
					Qty Payable in this bill			183.24	Cum

CRd & FC

Contractor Representative

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Authorised Signatory

Assistant Engineer 16/06/2021

Asst.Executive Engineer 16/06/2021

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